

Sai Nirmal Vignu Varigonda, Machine Learning Engineer

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Date of birth

21/03/2001

LINKS

[Github](#), [Linkedin](#), [Portfolio](#), [Kaggle](#)

PROFILE

Experienced Machine Learning Engineer with 1+ years in the field, seeking a dynamic and innovative organization. Committed to staying updated with the latest tech advancements, enhancing user experience, and optimizing digital solutions. Expertise in Machine Learning, programming, and software development for valuable team contributions. Dedicated to continuous learning and growth in the field.

EMPLOYMENT HISTORY

Jun 2022 — Present

Digital Specialist Engineer, Infosys

Hyderabad

Project: Real-time Object Detection for Retail Client

- Developed a cutting-edge YOLOv8 model-based solution for retail customers, catering to their unique requirements.
- Trained the model on custom data provided by the customer, meticulously labeling images using LabelImg and preparing the data for training.
- Ensured precise planogram arrangement and implemented post-processing techniques to guarantee correct order and placement.

Project: Real-time Object Detection and Localization for Logistics Client

- Spearheaded the implementation of object detection and localization techniques in a logistics client project, providing real-time updates on clearance and area maintenance.
- Demonstrated expertise in data preparation, meticulous labeling, and training state-of-the-art YOLO models using advanced tools such as LabelImg, Dataloop, and AWS Sagemaker.

INTERNSHIPS

Dec 2021 — Mar 2022

Associate Software Engineer (Intern), MAQ Software

- Developed a Data Science Toolkit using Flask Framework, simplifying the work of machine learning engineers by providing a user-friendly GUI for data preparation, feature extraction, exploratory data analysis, and regression, classification, and clustering techniques.
- Automated financial summary generation for firms by creating a versatile template to handle various financial data types, enhancing efficiency and accuracy.

May 2021 — Aug 2021

Summer Intern, Regex Software Services

- I have created a machine learning model that predicts prices of used cars, employing both machine learning and deep learning techniques. With a focus on attributes like make, model, year, mileage, and condition, the model accurately estimates prices. I have extensive experience handling diverse tasks in the field of machine learning and deep learning.

EDUCATION

Jun 2018 — May 2022

B.Tech, SRKR Engineering College

Graduated in Information Technology

CGPA: 8.26

Jun 2016 — Apr 2018

MPC, Sasi Junior College

Percentage 97.1%

Apr 2016

High School, Roots School

CGPA 9.5

SKILLS	Python	Deep Learning
	Machine Learning	Flask
	HTML & CSS	Computer Vision
	Git	Dataloop
	Java	AWS Sagemaker
	SQL	Large Language Models
CERTIFICATIONS	Deep Learning Specialization, Coursera	
	Azure Fundamentals (AZ-900), Microsoft	
	Azure AI Fundamentals (AI-900), Microsoft	
	Azure Data Fundamentals (DP-900), Microsoft	
	Azure Data Scientist Associate (DP-100), Microsoft	
	AWS Certified Cloud Practitioner , AWS	
	Programming, Data Structures and Algorithms Using Python , NPTEL	
LANGUAGES	Generative AI with Large Language Models, Coursera	
	Telugu	Native speaker
	English	Native speaker
	Hindi	Very good command
TRAINING	Attending Full Stack Data Science Bootcamp	
	Skills:	
	Python, SQL, Flask, Machine Learning, Deep Learning	
ACADEMIC PROJECTS	<ul style="list-style-type: none"> I have built a Machine Learning model that predicts insurance claim fraud using past records and performance data. This model helps identify fraudulent claims and improve efficiency in insurance processes.(link) I have developed multiple classification models to predict the likelihood of a liability customer purchasing personal loans. These models utilize various customer attributes and factors to make accurate predictions. Additionally, I have built a web application using Flask and deployed it using Render, allowing users to access the loan prediction service easily.(link) Collaborated with a team of two members to design and develop a Django website for Roost School Tanuku. Successfully created rootstanuku.com, showcasing the school's information with enhanced user experience. Demonstrated strong teamwork, effective communication, and web development skills in delivering a high-quality website. (rootstanuku.com) 	
HOBBIES	Travelling, Cooking , Gaming	